

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/003774

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C233/65 C07C233/67 C07C311/13 C07D207/06 C07D265/30
C07D271/10 A61K31/165 A61K31/40 A61K31/4245 A61P29/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/07980 A (BROWN GEORGE ROBERT ; ZENECA LTD (GB); BROWN DEARG SUTHERLAND (GB)) 17 February 2000 (2000-02-17) the whole document	1-15
A	WO 00/41698 A (RIEDL BERND ; LOWINGER TIMOTHY B (JP); DUMAS JACQUES (US); RENICK JOEL) 20 July 2000 (2000-07-20) the whole document	1-15



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

4 August 2004

Date of mailing of the international search report

30/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Österle, C

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claim 12 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

Continuation of Box II.2

Claims Nos.: 1-15 (in part)

In present claims 1-15 pharmaceutically acceptable derivatives of the compounds of formula (I) are included in the subject-matter of the claims. According to p.9 of the present description, prodrugs also fall within the definition of this expression. Since the exact nature of the prodrug of a compound of formula (I) is unknown, it is impossible to determine which compounds fall within the scope of formula (I) as claimed in claims 1-15.

Consequently, the search has been limited to the compounds of formula (I), their salts, solvates and esters.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2004/003774

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claim 12 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☒ Claims Nos.: 1-15 (in part)
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/003774

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0007980	A	17-02-2000	AT 221047 T	15-08-2002
			AU 756292 B2	09-01-2003
			AU 5179199 A	28-02-2000
			BR 9912726 A	02-05-2001
			CA 2337770 A1	17-02-2000
			CN 1330631 T	09-01-2002
			DE 69902277 D1	29-08-2002
			DE 69902277 T2	18-06-2003
			DK 1102743 T3	30-09-2002
			EP 1102743 A1	30-05-2001
			ES 2178895 T3	01-01-2003
			WO 0007980 A1	17-02-2000
			HK 1037608 A1	29-11-2002
			HU 0103366 A2	28-01-2002
			JP 2002522414 T	23-07-2002
			NO 20010533 A	30-03-2001
			NZ 509162 A	30-01-2004
			PL 345809 A1	02-01-2002
			PT 1102743 T	31-12-2002
			RU 2220951 C2	10-01-2004
			SK 1722001 A3	06-08-2001
			ZA 200100617 A	22-01-2002
WO 0041698	A	20-07-2000	AU 2725000 A	01-08-2000
			CA 2359244 A1	20-07-2000
			EP 1158985 A1	05-12-2001
			JP 2002534468 T	15-10-2002
			WO 0041698 A1	20-07-2000
			US 2003139605 A1	24-07-2003
			US 2003105091 A1	05-06-2003
			US 2002065296 A1	30-05-2002